

Chemistry Lesson Plan

Topic	Structure and Properties of Matter
Lesson Title	Kinetic Molecular Theory of Matter
Lesson Number	2
Next Generation Science Standard(s):	HS-PS1-3. Plan and conduct an investigation to gather evidence to compare the structure of substances at the bulk scale to infer the strength of electrical forces between particles.
Learning objective(s):	<ul style="list-style-type: none"> • Describe the arrangement of particles in solids, liquids and gases • Describe, at the molecular level how substances are able to change state.
"I can" statement(s):	<ul style="list-style-type: none"> • I can describe how the particles are arranged in a solid, liquid and gas. • I can explain impact of adding and removing heat energy changes the state of a substance at the molecular level.
Prior Knowledge: Nil	
Vocabulary: Solid, liquid, gas, plasma, lattice, kinetic energy, phase transition, freezing, melting, melting point, vaporization, condensation, boiling point, deposition, sublimation, ionization, recombination.	
Summary of Activities: <ol style="list-style-type: none"> 1. Distribute and complete bell ringer activity. <i>Please note: this is a review from lesson 1-1 Atoms and Molecules.</i> 2. Discuss guided notes and slideshow, with students. 3. Vocabulary worksheet or doodle notes 4. Complete exit quiz 	
Additional Resources: <ul style="list-style-type: none"> • Atoms and molecules YouTube clip • Counting atoms YouTube clip 	
Homework: Homework task	
Assessment: <ul style="list-style-type: none"> • Bell work • Assignment/Lab project • Exit quiz • End of unit review 	